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FROM: Jeffrey M. Cox  
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TOTAL NO. OF PAGES:

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OUR REFERENCE NO.: 006401.00438

RE: In re Appln. of Antrim et al.  
Appln. No. 10/731,255  
Filed December 9, 2003  
For: Derivatized reduced malto-oligosaccharides.

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NAME: Susan Kim

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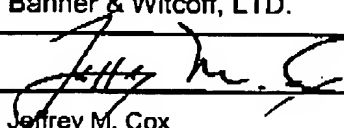
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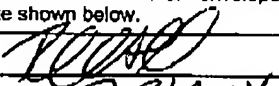
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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/731,255
	Filing Date	December 9, 2003
	First Named Inventor	Antrim et al.
	Art Unit	1623
	Examiner Name	Owens Jr., Howard V.
Total Number of Pages in This Submission	Attorney Docket Number	006401.00438

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance (Communication to TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Fax Cover Sheet PTO Form SB/08/a and b (2 pages) Information Disclosure Statement (4 pages)
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Firm	Banner & Witcoff, LTD.		
Signature			
Printed Name	Jeffrey M. Cox		
Date	August 10, 2005	Reg. No.	50,695

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AUG 10 2005

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

(Attorney Docket No. 006401.00438)

In re U.S. Patent Application of	)	
Antrim et al.	)	
	)	
Application No.: 10/731,355	)	
	)	Group Art Unit: 1623
Filed: December 9, 2003	)	
	)	Examiner: Owens Jr., Howard V.
For: DERIVATIZED REDUCED	)	
MALTO-	)	
OLIGOSACCHARIDES	)	
	)	

**INFORMATION DISCLOSURE STATEMENT****MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Pursuant to 37 CFR §§1.56, 1.97 and 1.98, enclosed are Forms PTO/SB/08A and B (substitute for form PTO-1449/A/PTO), submitted for consideration by the Examiner in the examination of the above-identified patent application.

The full consideration of the references cited in the enclosed form in their entirety by the Examiner is respectfully requested and encouraged. Also, it is respectfully requested that the references be entered into the record of the present application and that the Examiner place his or her initials in the appropriate area on the enclosed Form PTO/SB/08A, thereby indicating the Examiner's consideration of each of the references.

The submission of the references listed on the Forms PTO/SB/08A and B is for the purpose of providing a complete record and is not a concession that the references listed thereon are prior art to the invention claimed in the patent application. The right is expressly reserved to establish an invention date earlier than the above-identified filing date in order to remove any reference submitted herewith as prior art should it be deemed appropriate to do so.

Further, the submission of the references is not to be taken as a concession that any reference represents art that is relevant or analogous to the claimed invention. Accordingly, the right to argue that any reference is not properly within the scope of prior art relevant to an examination of the claims in the above-identified application is also expressly reserved.

The Information Disclosure Statement is being filed:

- ☒ **X** within any one of the following time periods: (a) within three months of the filing date of a national application other than a continued prosecution application under 37 CFR §1.53(d); (b) within three months of the date of entry of the national stage as set forth in 37 CFR §1.491 of an international application; (c) before the mailing date of a first Office Action on the merits; or (d) before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR §1.114.
- ☐ after (a), (b), (c) or (d) above, but before the mailing date of a final action under 37 CFR §1.113, a Notice of Allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application, and includes *one* of:
- ☐ The statement under 37 CFR §1.97(e) (see "statement under 37 CFR §1.97(e)" below).
- or*
- ☐ the fee of \$180 set forth in 37 CFR §1.17(p) (see "Fees" below).
- ☐ after the mailing date of a final action under 37 CFR §1.113 or a Notice of Allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application, and on or before payment of the issue fee, and includes the Statement under 37 CFR §1.97(e) (see "Statement under 37 CFR §1.97(e)" below), and the fee of \$180 as set forth in 37 CFR §1.17(p) (see "Fees" below).
- ☐ after the mailing date of a Notice of Allowance under 37 CFR §1.311, and on or before payment of the issue fee, and within thirty days of receiving each item of information contained in the Information Disclosure Statement, and includes the Statement under 37 CFR §1.704(d) (see "Statement under 37 CFR §1.704(d)" below), and the fee of \$180 as set forth in 37 CFR §1.17(p) (see "Fees" below).

#### Copies of the References

- ☐ Copies of the references listed on the enclosed Form 1449 are enclosed herewith. Attached to each reference not in the English language is a concise explanation of the relevance pursuant to 37 CFR §1.98(a)(3).
- ☐ A copy of the foreign search report is enclosed herewith.
- ☒ **X** The references listed on the enclosed Form 1449 were previously identified in the parent application(s) of the present application, and copies of the references were furnished at that time. Accordingly, additional copies of the references are not submitted herewith, so as not to burden the file with duplicate copies of references. The Examiner is respectfully requested to carefully review the

references in accordance with the requirements set out in the Manual of Patent Examining Procedure. In accordance with 37 CFR §1.98(d), the details of the parent application(s) relied upon for an earlier filing date under 35 USC §120 in which copies of the references were previously furnished are set out below:

**Statement under 37 CFR §1.97(e)**

\_\_\_\_ The undersigned hereby states that each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of the Information Disclosure Statement.

\_\_\_\_ The undersigned hereby states that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

**Statement under 37 CFR §1.704(d)**

\_\_\_\_ The undersigned hereby states that each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 CFR §1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

**Fees**

☒ No fee is owed by the applicant(s).  
\_\_\_\_ The IDS Fee of \$180 under 37 CFR §1.17(p) is enclosed herewith.

**Method of Payment of Fees**

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**Authorization to Charge Additional Fees**

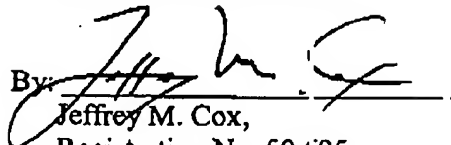
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**Instructions as to Overpayment**

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Date: August 10, 2005

Respectfully submitted,

By: 

Jeffrey M. Cox,  
Registration No. 50,695  
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PTO/SB/08-1 (08-03)

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/731,255		
		Filing Date	December 9, 2003		
		First Named Inventor	Antrim et al.		
		An Unit	1623		
		Examiner Name	Owens Jr., Howard V.		
Sheet	1	of	2	Attorney Docket Number	006401.00438

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US- 2,280,975	04-28-1942	Power et al.	
		US- 3,890,300	06-17-1975	Huchette et al.	
		US- 4,845,208	07-04-1989	Fuertes et al.	
		US- 4,985,553	01-15-1991	Fuertes et al.	
		US- 5,109,128	04-28-1992	Schumacher et al.	
		US- 5,772,013	06-30-1998	Kunz et al.	
		US- 5,780,620	07-14-1998	Mandai et al.	
		US- 3,639,389	02-01-1972	Hull et al.	
		US- 6,613,893	09-02-2003	Barresi et al.	
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>2</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		EP 0142725	08-08-1987			
		EP 0548399	09-25-1996			
		WO 92/18542	10-29-1992			
		WO 95/07303	03-16-1995			
		WO 97/34861	09-25-1997			
		EP 0727485	08-21-1996			

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

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Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/731,255
		Filing Date	December 9, 2003
		First Named Inventor	Antrim et al.
		Art Unit	1623
		Examiner Name	Unassigned
		Attorney Docket Number	006401.00438
(Use as many sheets as necessary)			
Sheet	2	of	2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Knapp., Handbook of analytical derivitazation reactions, p. 582-584, 1979	
		Kearsley et al., Starch, vol. 32(80), pp. 244-47, 1980	
		Bendiak, "Nuclear Magnetic Resonance Spectroscopy of Peracetylated Oligosaccharides Having <sup>13</sup> C-Labeled Carbonyl Groups in Lieu of Permethylatation Analysis for Establishing Linkage Substitutions of Sugars," Carbohydrate Research, 315, pp. 206-221 (February 28, 1999)	
		McNeil, "Elimination of Internal Glycosyl Residues During Chemical Ionization-Mass Spectrometry of Per-O-Alkylated Oligosaccharide-Alditols," Carbohydrate Research, 123, pp. 31-40 (1983)	
		International Search Report for PCT/US00/40687 mailed March 26, 2001	

Examiner Signature		Date Considered	
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